

## ABSTRACT OF THE DISCLOSURE

Process for removing deposits from water-carrying systems and devices for water supply, or from their individual parts, in which the deposits are dissolved by means of an aqueous treatment solution and removed in dissolved form from the system or the device or their individual parts, wherein the deposits are dissolved by means of an aqueous treatment solution comprised of a combination of (i) a reducing agent, in particular in the form of a slat-like, reducing sulfur-oxygen compound, nitrogen-oxygen compound or phosphorous-oxygen compound, and (ii) a complexing agent having phosphonic acid groups or phosphonate groups or a complexing agent of the hydroxy acid type at pH values in the range of approximately 4.5 to 9.5, in particular from approximately 6.0 to 8.0.